Listing of Claims:

- 1. (previously presented) An extruded polymeric article comprised of a polymeric matrix and polymeric particles which are substantially spherical, highly crosslinked, have a mean particle size of between 35 to 60 micrometers and have a particle size distribution between 10-110 micrometers wherein the article has:
 - a) a Haze number as determined by ASTM D103 of at least 90%,
 - b) an opacity as determined by ASTM D20805-80 of at least 10%,
- c) a minimum surface roughness of 0.5 um to 30 um as measured using ASTM methods B46.11 B361.2 and Y14.36; and
- d) a Total White Light Transmission of greater than 78.9% as determinated by a Hunterlab colorimeter_D25 model using ASTM E1331 and ASTM E1163, wherein said determinations are made using an 0.125 inch thick extruded sheet comprised of the polymeric matrix and polymeric particles.

2. (Cancelled)

- 3. (original) The article of Claim 1 wherein the polymeric matrix is an ABS terpolymer, ASA copolymer, polycarbonate, polyester, PETG, MBS copolymer, HIPS, acrylonitrile/acrylate copolymer, polystyrene, SAN, MMA/S, an acrylonitrile/methyl methacrylate copolymer, impact modified polyolefins, PVC, impact modified PVC, imidized acrylic polymer, acrylic polymer or impact modified acrylic polymer.
- 4. (previously presented) The article of Claim 3 wherein the polymeric matrix is comprised of polymethyl methacrylate.
- 5. (original) The article of Claim 1 wherein a frosted appearance is achieved through the mismatch of the refractive indices of the polymeric particles and polymeric matrix by greater than 0.02.
- 6. (previously presented) The article of Claim 1 comprised of

- a) 20 90% by weight, polymethyl methacrylate or alkyl methylacrylate/alkyl acrylate copolymer matrix;
 - b) 0 50% by weight, modifiers; and
- c) 5 60% by weight, highly crosslinked spherical polymeric particles comprised of about 0-100 % by weight, styrene; 0-100% by weight, alkyl methacrylate, 0-100% by weight, alkyl acrylate and crosslinking agent.

7. (cancelled)

- 8. (previously presented) The article of Claim 1 comprised of:
 - a) 20 90% by weight, polymethyl methacrylate matrix;
 - b) 0 50% by weight, modifiers; and
- c) 5 60% by weight, highly crosslinked spherical polymeric particles comprised of 0 50% by weight, styrene 99.9 50% by weight, alkyl alkylacrylate, alkyl acrylate or a combination thereof; and 0.1- 2.5% by weight, crosslinking agent.
- 9. (previously presented) The article of Claim 1, wherein the particles are comprised of:
 - a) 0 50% by weight, styrene;
 - b) 45- 99.01% by weight, alkyl methylacrylate or alkyl acrylate;
 - c) 0.01-5% by weight, crosslinking agent.
- 10. (original) The article of Claim 9 wherein the crosslinking agent is ethylene glycol dimethacrylate, divinylbenzene or allyl methacrylate.
- 11. (original) The article of Claim 10 wherein the crosslinking agent is divinylbenzene.
- 12. (previously presented) A resin comprised of:
 - a) 20 90% by weight, matrix comprised of polymethyl methacrylate;
 - b) 5 50% by weight, modifiers; and

- c) 5 60% by weight, highly crosslinked spherical polymeric particles comprised of 10-50% by weight, styrene 90 50% by weight, methyl methacrylate, 0.1 2.5% by weight, crosslinking agent, wherein the polymeric particles have a mean particle size of 35-60 micrometers, and a particle size distribution of between 15-110 micrometers, wherein if the resin is extruded into a 0.125 inch thick sheet, the sheet has a Haze number as determined by ASTM D103 of at least 90%, an opacity as determined by ASTM D20805-80 of at least 10%, a minimum surface roughness of 0.5 um to 30 um as measured using ASTM methods B46.11 B361.2 and Y14.36 and a Total White Light Transmission of greater than 78.9% measured by a Hunterlab colorimeter_D25 model using ASTM E1331 and ASTM E1163.
- 13. (original) The resin of Claim 12 wherein the crosslinking agent is ethylene glycol dimethacrylate, divinylbenzene or allyl methacrylate.
- 14. (original) The resin of Claim 12 wherein the crosslinking agent is allylmethacrylate.
- 15. (previously presented) The resin of Claim 12 wherein the polymeric particles contain a colorant.
- 16. (previously presented) A resin comprised of:
 - a) 60 85% by weight, matrix comprised of polymethyl methacrylate; and
- b) 15 40% by weight, highly crosslinked spherical polymeric particles comprised of:
 - 15 35% by weight, styrene
- 65 85% by weight, methyl methacrylate 0.5-1.5% by weight, allyl methacrylate;

wherein the polymeric particles have a mean particle size of 25-55 micrometers, and a particle size distribution of between 15-110 micrometers, and wherein if the resin is extruded into a 0.125 inch thick sheet, the sheet has a Haze number as determined by ASTM D103 of at least 90%, an opacity as determined by ASTM D20805-80 would be at least 10%, a minimum surface roughness of 0.5 um to 30 um as measured using

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ASTM methods B46.11 B361.2 and Y14.36 and a Total White Light Transmission of greater than 78.9% measured by a Hunterlab colorimeter_D25 model using ASTM E1331 and ASTM E1163.

17. (previously presented) A resin comprised of:

- a) 20 90% by weight, matrix comprised of polymethyl methacrylate or alkyl methylacrylate/alkyl acrylate copolymer;
 - b) 0 50% by weight, modifiers; and
- c) 5 40% by weight, highly crosslinked spherical polymeric particles comprised of about 0-100% by weight, styrene, 0-100% by weight, alkyl methacrylate, 0-100% by weight, alkyl acrylate and crosslinking agent wherein the polymeric particles have a mean particle size of 25-55 micrometers, and a particle size distribution of between 15-110 micrometers, and wherein if the resin is extruded into a 0.125 inch thick sheet, the sheet has a Haze number as determined by ASTM D103 of at least 90%, an opacity as determined by ASTM D20805-80 would be at least 10%, a minimum surface roughness of 0.5 um to 30 um as measured using ASTM methods B46.11 B361.2 and Y14.36 and a Total White Light Transmission of greater than 78.9% measured by a Hunterlab colorimeter_D25 model using ASTM E1331 and ASTM E1163.